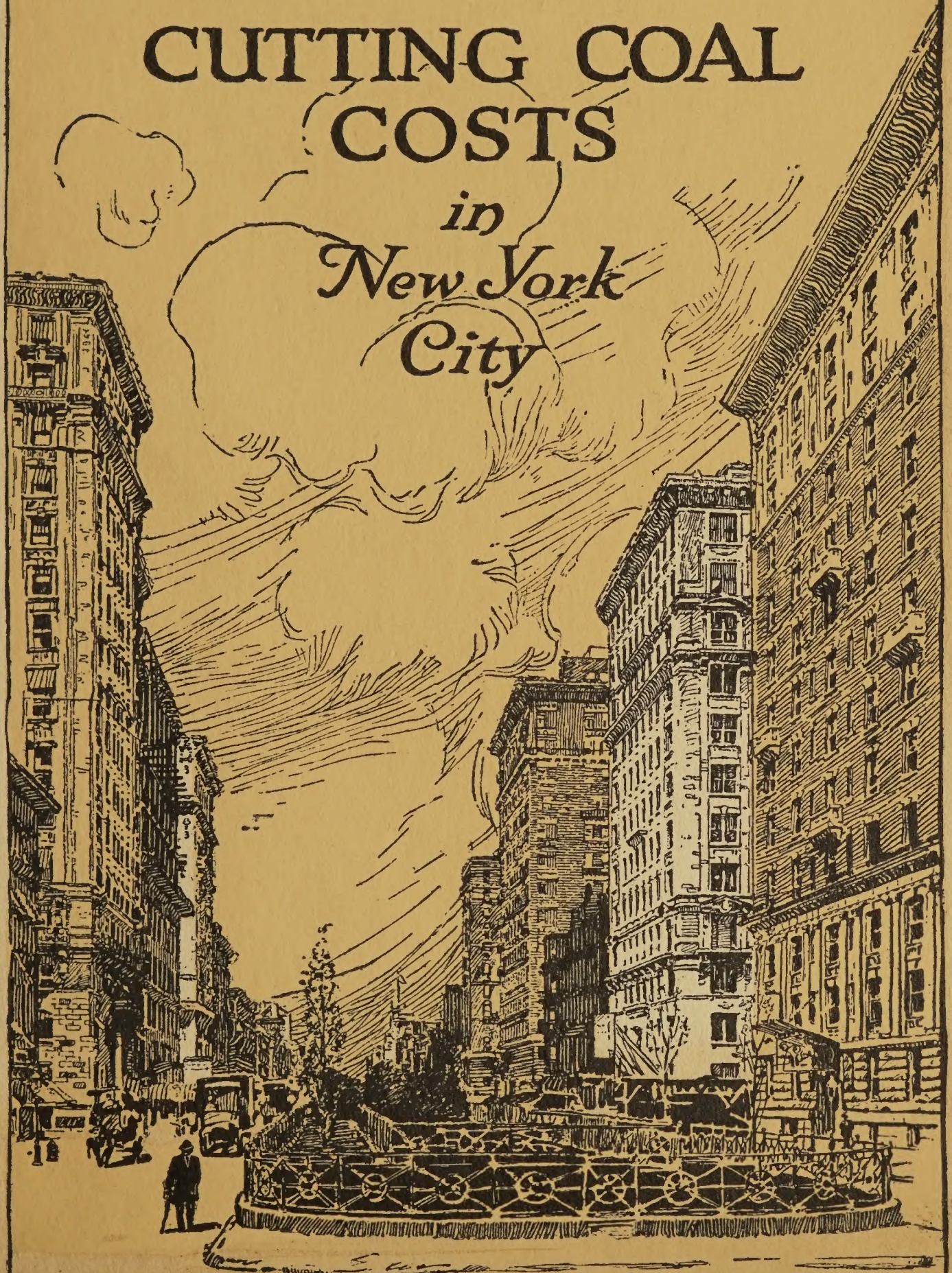




# CUTTING COAL COSTS

*in  
New York  
City*





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# Cutting Coal Costs in New York City

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A Booklet telling how it is  
being accomplished by Kewanee  
Smokeless Firebox Boilers, and  
showing a few of many New  
York City buildings where  
Kewanee Boilers and Water  
Heating Garbage Burners are  
installed :: :: :: :: ::

## KEWANEE BOILER COMPANY

KEWANEE, ILLINOIS



Steel Power and Heating Boilers,  
Radiators, Tanks and  
Garbage Burners



CHICAGO    NEW YORK    ST. LOUIS    KANSAS CITY



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KEWANEE BOILER COMPANY

# A REMARKABLE SAVING

In an apartment building at the corner of West End Avenue and 71st Street, New York City, two number 117 Kewanee Smokeless Firebox Boilers are installed. To heat these buildings they use a daily average of  $1\frac{1}{2}$  tons of Bituminous Coal costing \$3.75 per ton. A coal cost of \$5.62 daily.

In another building of the same size owned by the same concern and erected by the same builders, under the supervision of the same engineers, another make of boiler is installed. To heat this building more than three tons of Anthracite Pea Coal, costing \$4.50 per ton, are used daily. A daily coal cost of \$13.50.

The Kewanee Smokeless Firebox Boiler saves the owners \$1,654.80 in an average heating season of 210 days.

This remarkable saving is accomplished in two ways.

## PERMITS THE USE OF CHEAPER COAL

The Kewanee Smokeless Firebox Boiler permits the use of cheaper coal—because it burns it without smoke. The other boiler, not built for burning Bituminous Coal smokelessly must use higher priced Anthracite.

Government analysis of the Pennsylvania, Maryland and West Virginia Bituminous Coals, which are sold in New York for an average price of \$3.75 per ton, shows that this coal averages about 14,100 British Thermal Heat Units per pound: The cheapest anthracite coal that can be burned in the ordinary boiler, and comply with New York City's stringent smoke ordinance, is a pea size costing about \$4.75 per ton. This grade of anthracite coal contains only about 12,000 heat units per pound.

That means that the installation of a hand fired boiler, which will burn soft coal smokelessly, makes it possible to use a grade of coal costing about \$3.75 per ton which contains 17% more heat than the anthracite pea that costs \$4.75 per ton.

It is also true that in some cases in New York City better grades of coal than anthracite pea are used, and the price of such better coal is sometimes as high as \$6.50 per ton. Were buildings



using such fuel taken for the sake of comparison the showing would be even more in favor of the use of soft coal in a smokeless boiler.

## SMOKELESS BOILERS SHOW GREATER EFFICIENCY

Smoke is visible proof of wasted fuel. So any boiler which is capable of burning a highly volatile soft coal without smoke is proving itself to be highly efficient—and very rigid tests have proven that a down draft hand fired boiler, such as the Kewanee Smokeless, will average 22% greater efficiency than the ordinary boiler.

That means that a Kewanee Smokeless Firebox Boiler saves the owner fuel money in two ways. First, it permits him to burn cheaper coal—and second, it takes from this coal and uses for heat making purposes, on an average, 22% more of the heat in the fuel than is used by ordinary boilers.

Here is another case of a great fuel saving:

In an apartment house at 3 East 85th Street, New York City, a number 114 Kewanee Smokeless Firebox Boiler, carrying 6,100 square feet of radiation and supplying in addition the hot water used, burns an average of 4/10ths tons of bituminous coal per day. This coal costs \$3.75 per ton, which makes the daily coal cost about \$1.50.

In another apartment house, nearby, an ordinary straight draft boiler is used to heat 5,300 square feet of radiation, and burns daily an average of one ton of prepared Anthracite costing \$6.50.

## EXPERIENCE HAS SHOWN SAVINGS

Summing up what experience in New York City has shown to be facts we find that Kewanee Smokeless Firebox Boilers using bituminous coal at \$3.75 per ton will make the following savings as compared with ordinary boilers: A saving of 28%, compared with the ordinary boiler using Buckwheat, steam grade at \$3.75. A saving of 45% compared with the ordinary boiler using An-



thracite Pea: And a saving of 54% compared with the ordinary boiler using prepared sizes of Anthracite at \$6.50 per ton.

## REPEAT ORDERS PROVE EFFICIENCY

That the Kewanee Smokeless Firebox Boilers are proving highly efficient is proven conclusively—not only by their installation in some of the best buildings in New York City, as well as in all other parts of the country, but also by the repeat orders.

For instance: The Fullerton Weaver Realty Co. of New York City in response to an inquiry from another building operator wrote him as follows:

“In reply to your favor of the 14th in regard to Kewanee Smokeless Firebox Boilers, we beg to advise that we have not yet had sufficient opportunity to determine definitely the exact saving in fuel obtained through the use of these boilers, but we have demonstrated to our satisfaction that there is a considerable saving and the boilers have been so satisfactory that we have just ordered two more for our new building.”

The following photographs of New York City Buildings where Kewanee Firebox Boilers and Kewanee Water Heating Garbage Burners are installed is further testimony of what the best known and most efficient builders think of Kewanee products.

To these photographs we respectfully refer you:



SOFT COAL IS A BETTER BUY THAN ANTHRACITE

## APARTMENT BUILDING

WEST END AVENUE & 71ST STREET

Fullerton & Weaver Realty Co.,  
Owners. Two Kewanee Smokeless  
Firebox Boilers and Kewanee Water  
Heating Garbage Burner





GARBAGE MAKES GOOD FUEL AND CAN BE USED AS SUCH

## RIVERSIDE MANSIONS

410 RIVERSIDE DRIVE

Kewanee Water Heating  
Garbage Burner





SOFT COAL CAN BE BURNED SMOKELESSLY IN A KEWANEE SMOKELESS

## BUSTANOBY'S RESTAURANT

110 WEST 39TH ST.

Kewanee Water Heating  
Garbage Burner





GARBAGE CONTAINS ONE-FIFTH AS MUCH HEAT AS COAL

## APARTMENT BUILDING

3 EAST 85TH STREET

Fullerton & Weaver Realty Co.,  
Owners. Kewanee Smokeless Fire-  
box Boiler and Kewanee Water  
Heating Garbage Burner





A SMOKELESS BOILER PROVES ITSELF EFFICIENT

## THREE RESIDENCES

COR. 79TH ST. & MADISON AVE.

Kewanee Water Heating Garbage  
Burner in each





USE GARBAGE FOR FUEL, REDUCING HOT WATER COST

## APARTMENT BUILDING

PARK AVE. & 66TH ST.

Fullerton & Weaver Realty Co.,  
Owners. Two Kewanee Smokeless  
Firebox Boilers and Kewanee Water  
Heating Garbage Burner





SMOKE IS VISIBLE PROOF OF UNBURNED FUEL

## THE REXOR

600 WEST 116TH ST.

Paterno Bros., Inc., Owners. Kewanee

Water Heating Garbage Burner





ANY COAL CAN BE BURNED SMOKELESSLY IN A KEWANEE SMOKELESS

## THE REGNOR

601 WEST 115TH STREET

Paterno Bros. Inc., Owners. Kewanee  
Water Heating Garbage Burner





ANALYSIS PROVES SOFT COAL A BETTER BUY THAN ANTHRACITE

## SCHRAFFT'S TEA ROOMS

52 W. 23RD ST. & 34TH ST.

Kewanee Boilers and Kewanee Water  
Heating Garbage Burners





SOFT COAL CAN BE BURNED SMOKELESSLY IN A KEWANEE SMOKELESS

## HOTEL LANGDON

5TH AVENUE & 56TH STREET

Kewanee Water Heating  
Garbage Burner





ANY COAL CAN BE BURNED SMOKELESSLY IN A KEWANEE SMOKELESS

## PALACE THEATRE

BROADWAY & 47TH ST.

Two Kewanee Firebox  
Boilers Installed





GARBAGE MAKES GOOD FUEL AND CAN BE USED AS SUCH

## LEWIS & CONGER BUILDING

6TH AVENUE & 45TH STREET

Kewanee Water Heating  
Garbage Burner





GARBAGE CONTAINS ONE-FIFTH AS MUCH HEAT AS COAL

## APARTMENT BUILDING

140 WEST 71ST STREET

Allendale Building Company,  
Owner. Kewanee Water Heating  
Garbage Burner





A SMOKELESS BOILER PROVES ITSELF EFFICIENT

## APARTMENT BUILDING

119 W. 71ST ST.

Allendale Building Company, Owner.

Kewanee Water Heating

Garbage Burner





SMOKE IS VISIBLE PROOF OF WASTE FUEL

## OPEN STAIR TENEMENTS

502-522 EAST 77TH ST.

Four Kewanee Boilers and Two  
Kewanee Water Heating  
Garbage Burners





USE GARBAGE FOR FUEL, REDUCING HOT WATER COST

## APARTMENT BUILDING

304 WEST 92ND STREET

Kewanee Water Heating  
Garbage Burner













